

Fig. 1

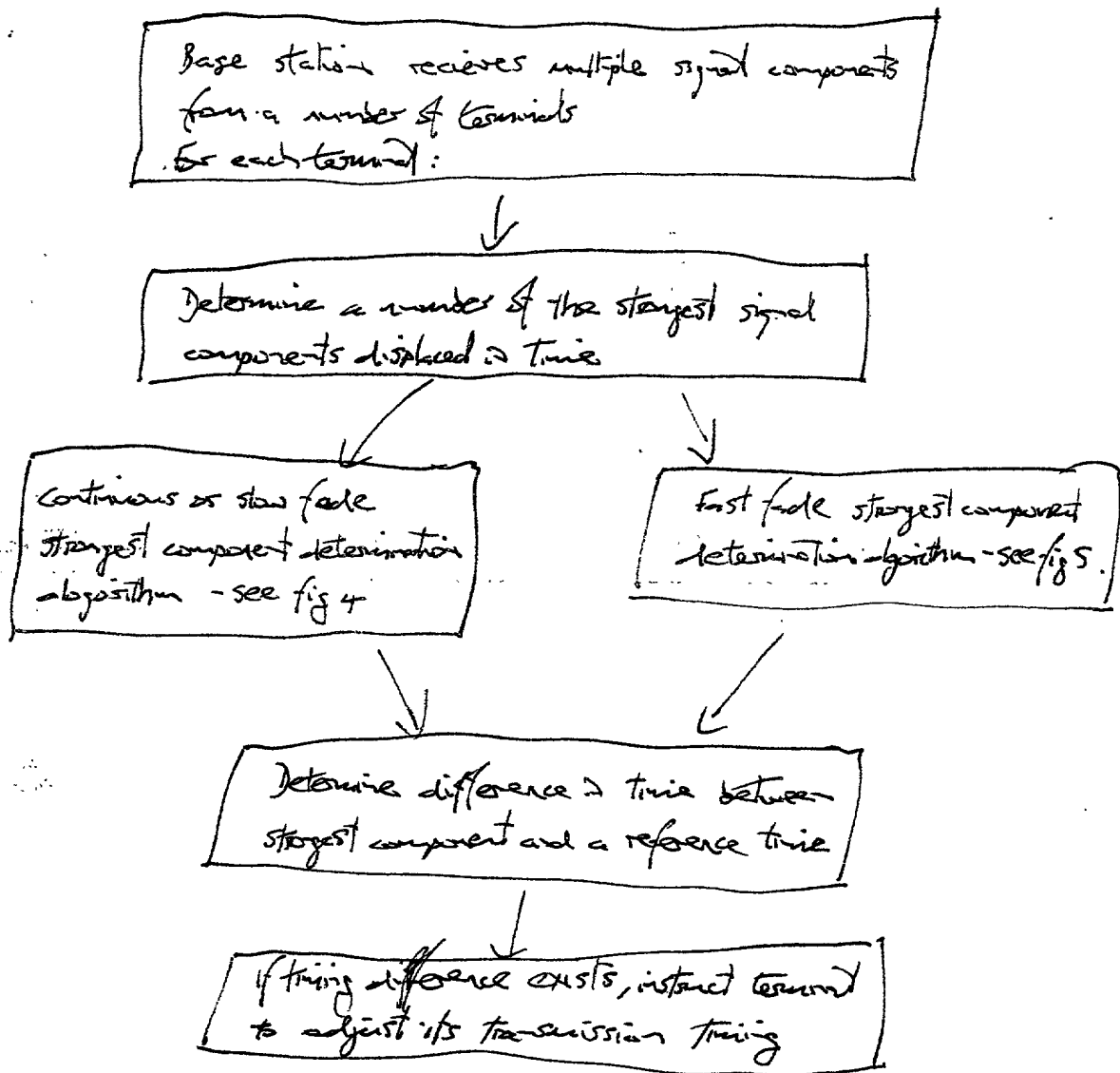


Fig 3

Fig 4.

average signal strength of each of the strongest signal components over a predetermined interval



Determine whether ~~the~~ any of the average signal strengths ~~exceed~~ ^{of the currently} the ~~average signal~~ synchronised signal component is exceeded by any of the other components

If so, ~~for~~ ^{does the} the highest average signal strength exceed that of the currently synchronised component by a predet. threshold

If so, ~~if~~ the offset is true then these components are more than a pre-determined threshold.

If so, assign the highest ave. signal strength component as the ~~new~~ strongest component.

Fig 5.

Determine average signal strength of the strongest signal components over a shorter predetermined period



Determine whether the average of the current strongest component is below the combined average of the other components by a predetermined amount



If so, assign the highest average signal component as the strongest component.

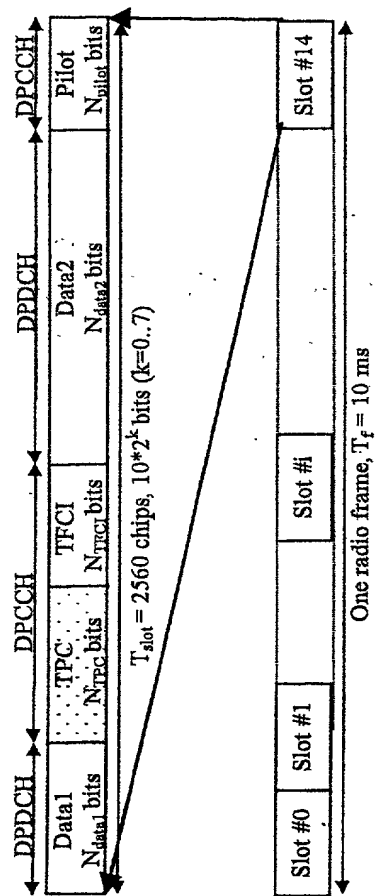


Figure
6a

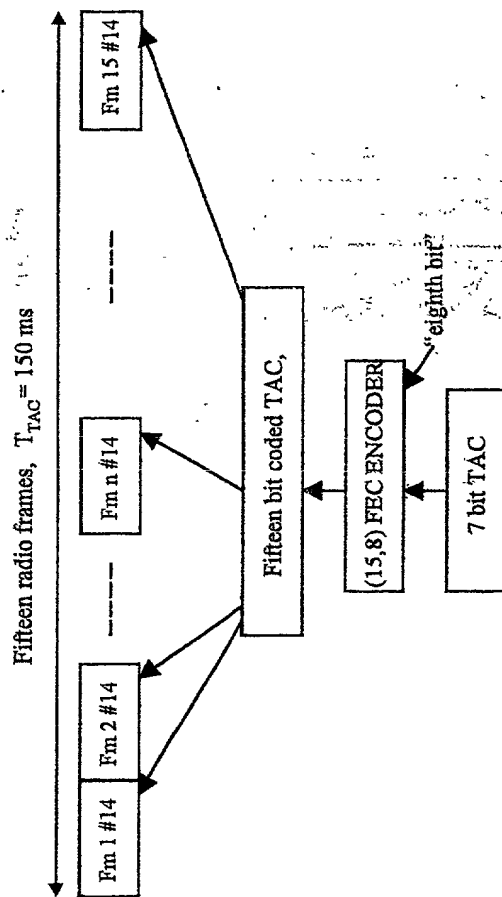


Figure
6b

7 bit TAC	function
0000000	do nothing
0000001	if this is the only weighted bit set - advance time by table entry 0 (default 1/8 chip , tracking mode)
	if this is set in combination with other weighted bits -
	advance time by table entry 1 (default 1/4 microsecond)
0000010	advance time by table entry 2 (default 1/2 microsecond)
0000100	advance time by table entry 3 (default 1 microsecond)
0001000	advance time by table entry 4 (default 2 microseconds)
0010000	advance time by table entry 5 (default 4 microseconds)
0100000	advance time by table entry 6 (default 8 microseconds)
1000000	do nothing
1000001	if this is the only weighted bit set - retard time by table entry 0 (default 1/8 chip , tracking mode)
	if this is set in combination with other weighted bits -
	retard time by table entry 1 (default 1/4 microsecond)
1000010	retard time by table entry 2 (default 1/2 microsecond)
1000100	retard time by table entry 3 (default 1 microsecond)
1001000	retard time by table entry 4 (default 2 microseconds)
1010000	retard time by table entry 5 (default 4 microseconds)
1100000	retard time by table entry 6 (default 8 microseconds)

Figure
6c

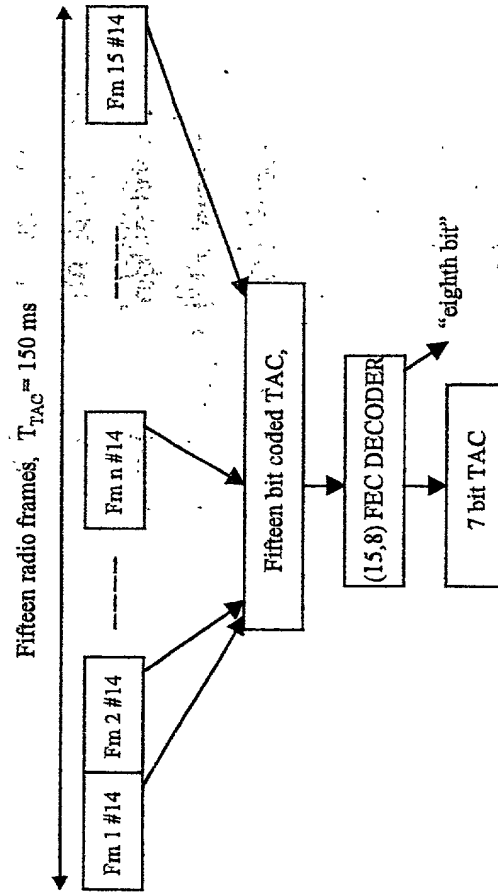


Figure
6d

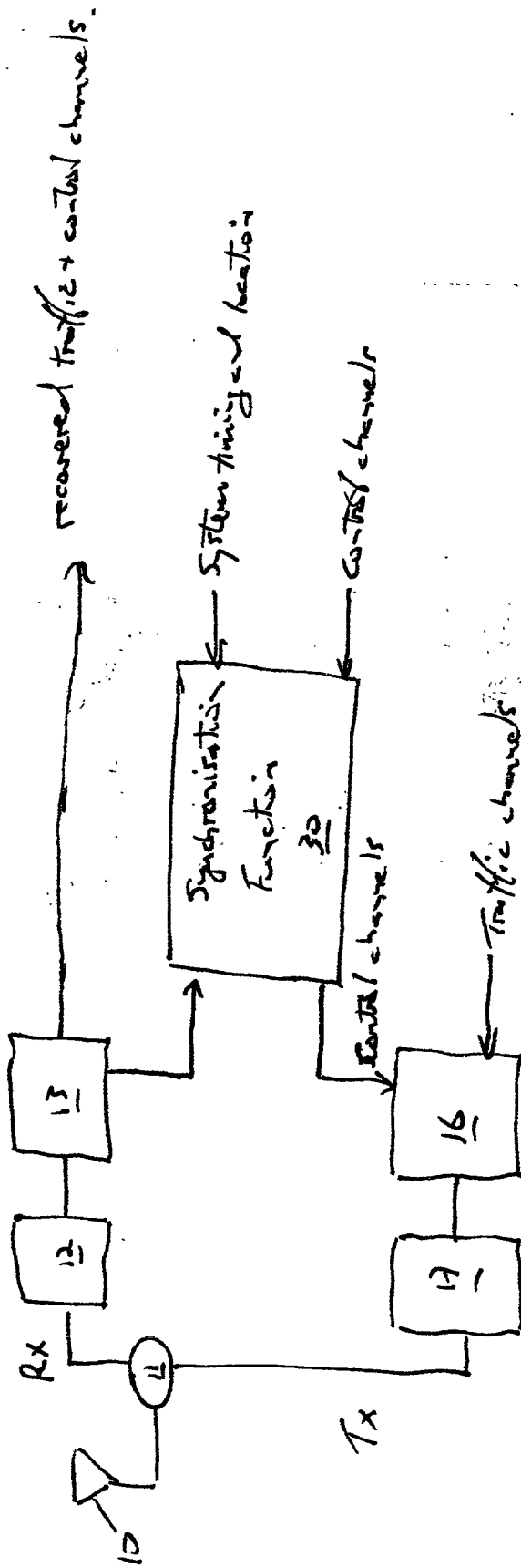


Fig 7

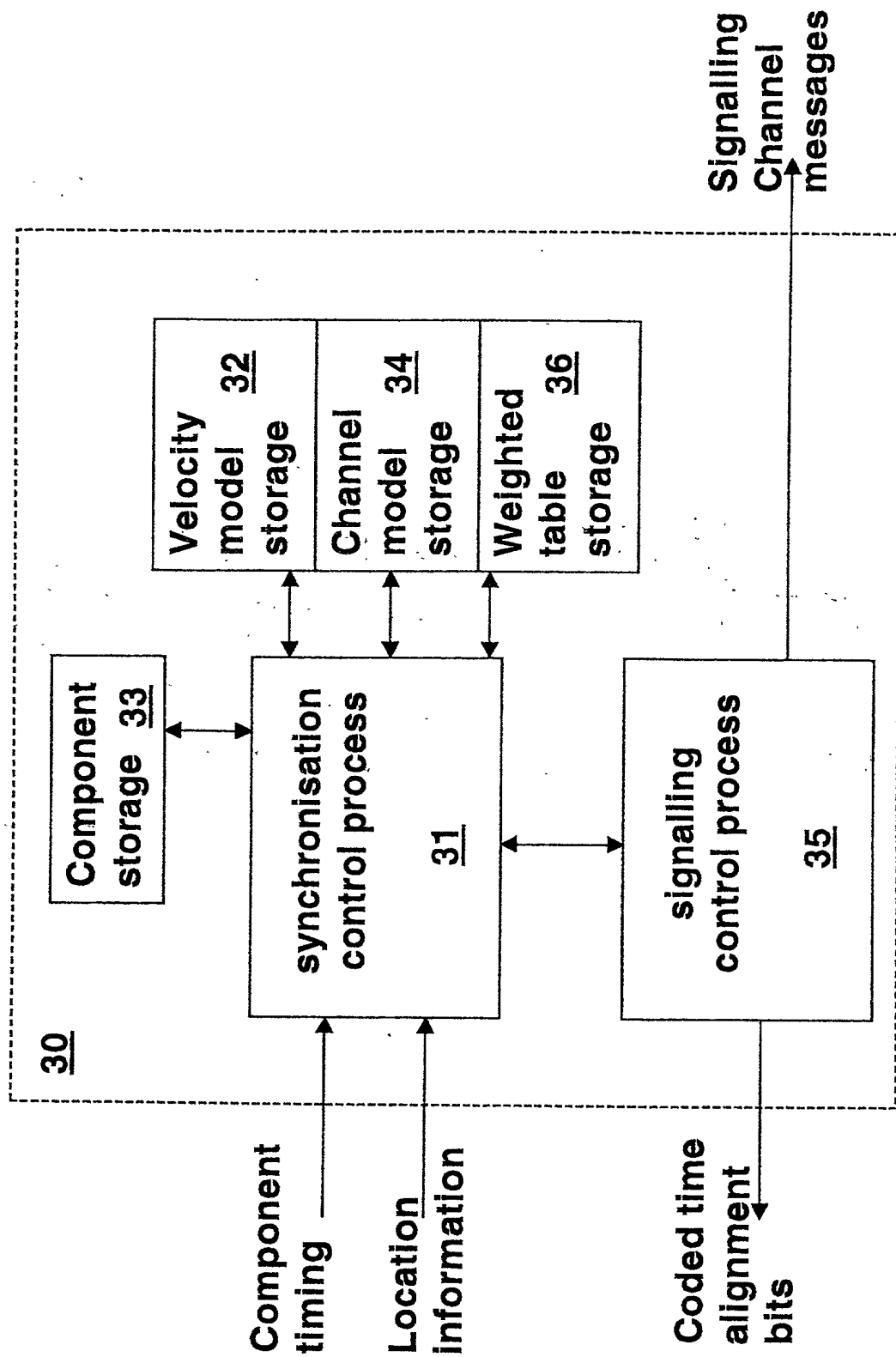
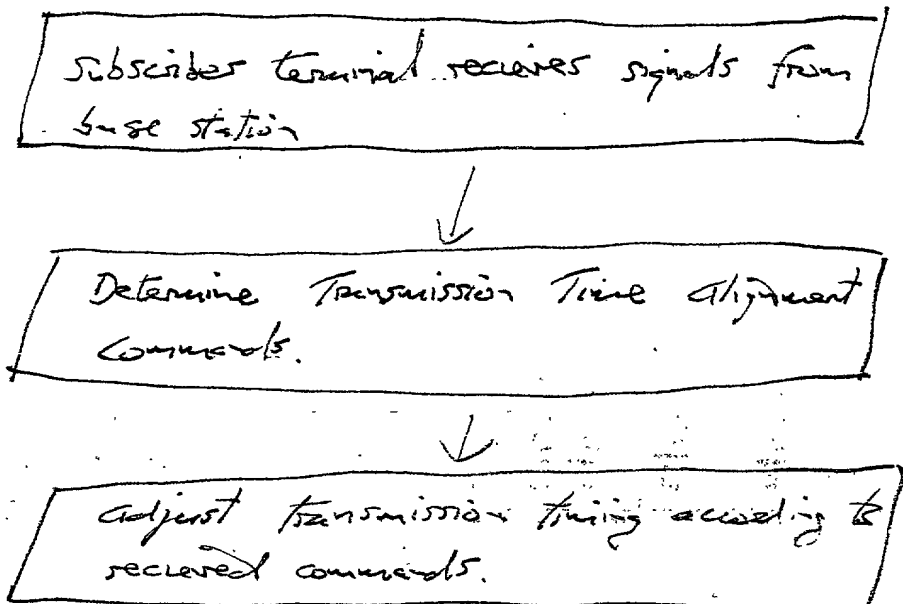


Figure 8

Fig 5.



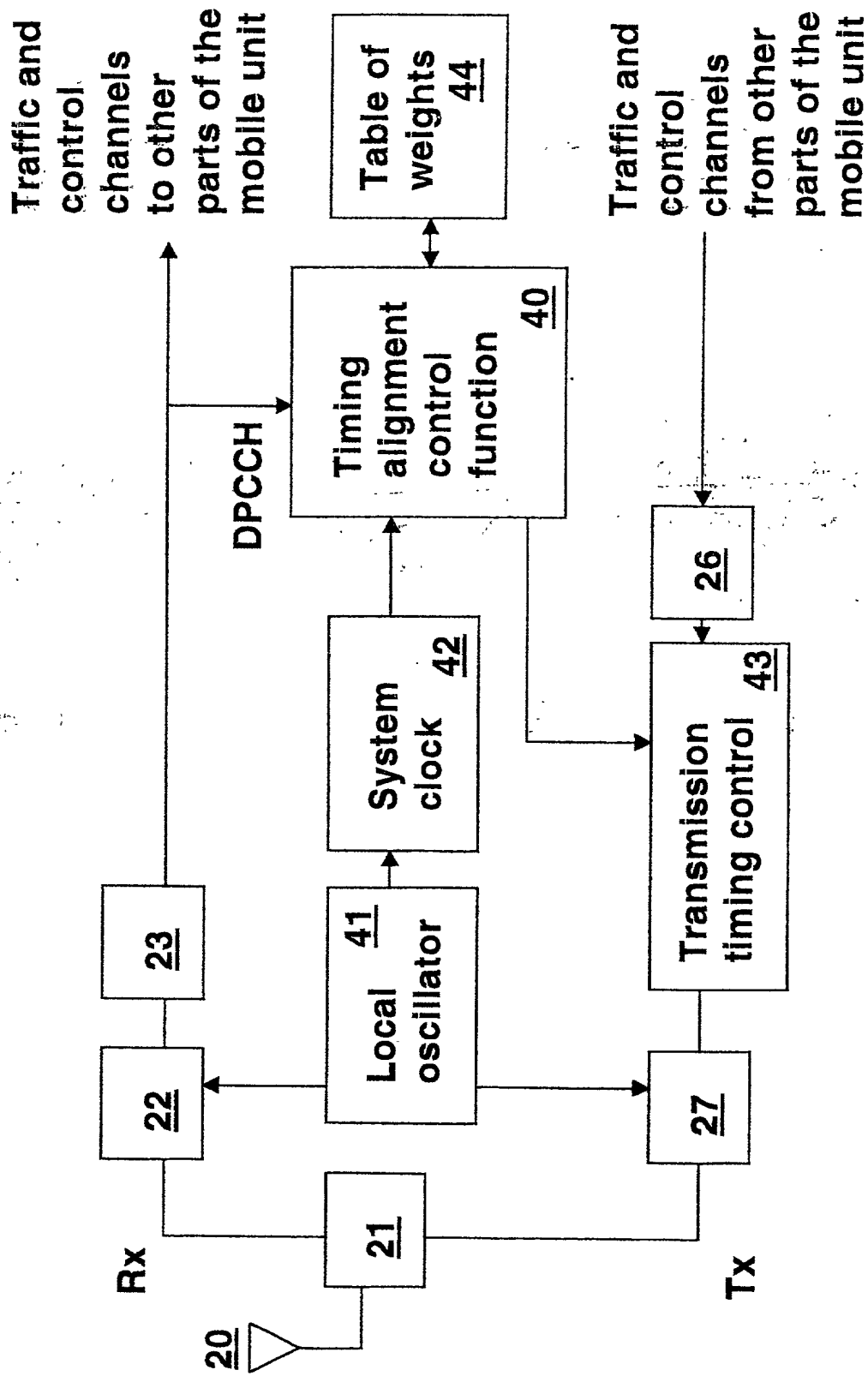


Figure 10

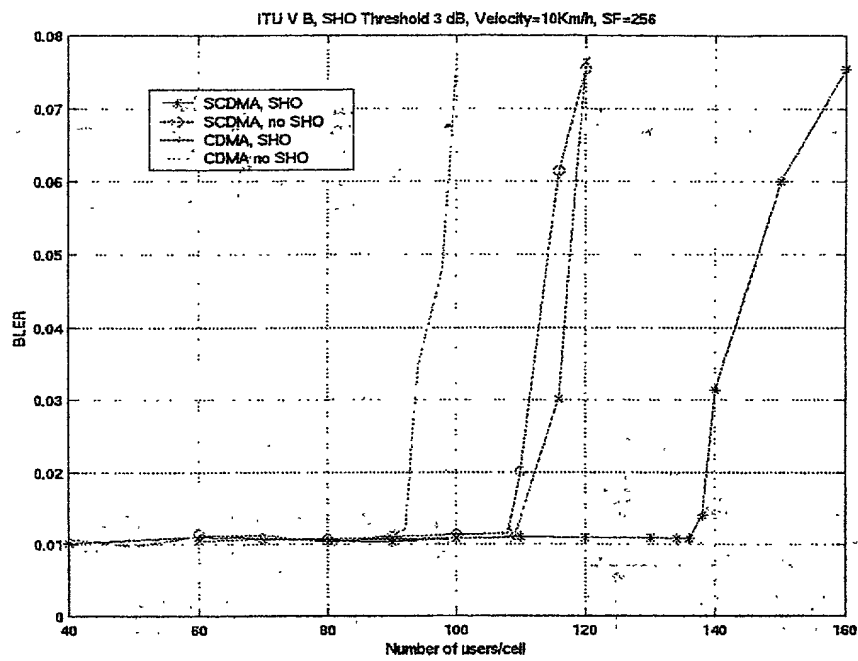


Figure 11a: Channel model: ITU Vehicular Channel B, Velocity 10 Km/h, SHO threshold: 3dB

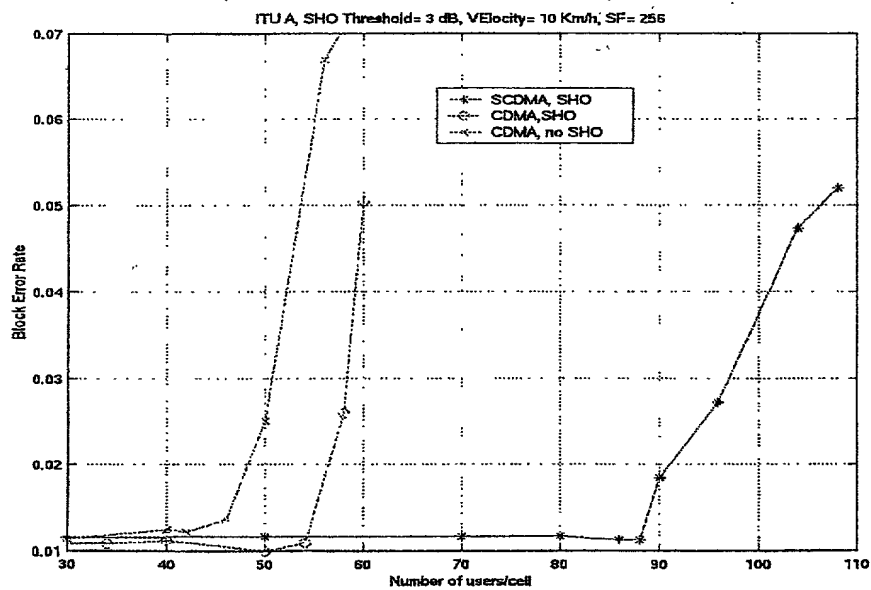


Figure 11b: Channel model: ITU Outdoor-Indoor Ch A, Velocity 10 Km/h